

Please note the following special protections:

Condition S4 of General Mosquito Control Permit No. WAG-992000:

Pesticides that are effective in controlling the mosquito population and are the least toxic to nontarget species shall be used except in response to documented development of resistance or in a declared public health emergency. The following is the approved list of pesticide-based controls in the order of preference in which they should be considered in the mosquito control operations:

1. *Bacillus thuringiensis israelensis* (Bti)
 2. *Bacillus sphaericus* (H-5a5b)
 3. Methoprene Granular, Liquid, Pellet, or Briquet
 4. Monomolecular Surface Films
 5. Paraffinic white mineral oil. Paraffinic white mineral oil shall not be used in waters of the state unless:
 - a. The mosquito problem is declared a public health risk; or
 - b. The other control agents would be or are known to be ineffective at a specific treatment site; and
 - c. The waterbody is non-fish-bearing (consult Washington State Fish and Wildlife concerning fish and wildlife).
- Consult with local governments and State and Federal agencies as needed.
 - Use malathion and temephos only in response to a public health concern or documented development of resistance to all less toxic control methods and in accordance with S1 of the general permit.
 - Pesticide applications shall not commence unless surveillance of a potential application site indicates a larva/pupa count of greater than 0.3 per dip and the need to apply insecticides to control mosquito populations, or unless dead birds, infected horses, or adult mosquito surveys indicate the presence of vector mosquitoes when larvae counts cannot be made due to their inaccessibility. In these cases beginning control methods such as larviciding may be desirable or even necessary without the larvae dips. However, just because a dead bird is found which tests positive for WNV in an area does not mean that the vector mosquitoes are breeding in the nearest storm drain. Those in the business of controlling mosquitoes will have to know the breeding sites and species of vectors in the area to perform effective mosquito control.
 - Pesticide application practices shall be followed that minimize the potential for development of pesticide resistance.
 - Spills of pesticides shall be promptly reported to the appropriate local and state authorities.

A Timing Window Table from Washington Department of Fish and Wildlife:

Timing constraints have been added to these waters to protect the associated fish. A single date means do not treat before that date. For the Snake River system a

second range of dates to avoid treatment is also given, for the protection of endangered fall chinook juveniles. LMB stands for large mouth bass. In general, the most vulnerable juvenile salmonids have migrated out of the affected waters by July 15. Large mouth bass develop beyond the sac fry stage earlier in the southern half of the state, thus a two-tiered timing strategy in waters that have LMB, but no salmonid use. In the case of salmonid use, data for this timing table came from our StreamNet database. This is a dynamic database, which undergoes maintenance and update. If there are substantial changes in documented fish use over time, we will update this table.

We suggest further consultation with U.S. Fish and Wildlife Service concerning bull trout protection, and National Marine Fisheries Service concerning listed runs of chum and chinook.

Adams County:

Herman Lake

Chelan County:

Chelan – July 15, bull trout

Fish – July 15, LMB

Roses – July 15, LMB

Domke

Cortez

Wapato – July 15, LMB

Clallam County:

Sutherland Lake – July 15, chinook, coho, pink, chum, steelhead

Clark County:

Battleground

Lacamas – July 15, cutthroat

Caterpillar Slough – July 15, chinook, coho, steelhead, cutthroat

Lake River – July 15, chinook, coho, steelhead, cutthroat

Columbia, Franklin and Walla Walla counties:

Herbert G. West Lake and the Snake River – July 1, LMB, salmonids;
avoid Sept. 15 to Nov. 15 for endangered fall chinook.

Cowlitz County:

Kress – July 1, LMB

Silver – July 15, chinook, coho, steelhead, cutthroat, LMB

Solo Slough – July 15, chinook, coho, steelhead

Willow Grove Sloughs – July 15, chinook, coho, steelhead

Longview drainage ditches

Franklin County:

Kahlotus

Sacajawea – July 15, LMB, salmonids; avoid Sept. 15-Nov. 15,
endangered fall chinook

Scooteney Reservoir – July 1, LMB

Grant County:

Babcock Ridge

Billy Clapp – July 1, LMB

Burke

Caliche

Canal

Corral

Corral Southwest

Moses – July 1, LMB

Priest Rapids – July 15, chinook, coho, steelhead

Quincy

Stan Coffin – July 1, LMB

Warden

unnamed potholes at Dodson Frenchman and Frenchman Hills Nos. 1
through 4

Evergreen Reservoir – July 1, LMB

Potholes Reservoirs – July 1, LMB, avoid Northern leopard frog habitat
(consult with WDFW about location)

Rocky Ford Creek

Winchester Wasteway

Grays Harbor County:

Duck – July 1, LMB

[Star](#)

Island County:

Lone

[Smith](#)

Jefferson County:

Leland – July 1, LMB

King County:

Alice

Desire – July 15, LMB

Angle – July 15, LMB

Bass

Green – July 15, LMB

[Lake Twelve](#)
[Ponce De Leon](#)
[Winterwood](#)
[Leota](#) – July 15, LMB
[Aqua Vista](#)
[Loraine](#)
[Haller](#) – July 15, LMB
[Jeanne](#)
Phantom – July 15, LMB
Sammamish – July 15, chinook, coho, steelhead, sockeye, bull trout, LMB
Shady
Union – July 15, LMB
[Wilderness](#)
Fenwick – July 15, LMB
Geneva
[Killarney](#) – July 15, LMB
Meridian – July 15, LMB
Pine – July 15, LMB
[Pipe](#)
[Lucerne](#)
Sawyer – July 15, coho, steelhead, LMB
Spring – July 15, LMB
[Steel](#) – July 15, LMB
[Washington](#) – July 15, chinook, coho, sockeye, steelhead, bull trout, LMB
[Clyde Loch Lagoon](#)
[Lake at Kent](#)
[Lake at Mercer Island.](#)

Kitsap County:

Buck
Long – July 15, coho, chum, LMB
[Mission](#)
[Horseshoe](#)
Square – July 1, LMB
Wye – July 1, LMB

Kittitas County:

Lavendar
[Wild Duck](#)
Mattoon

Klickitat County:

Celilo – July 15, salmonids
Horsethief – July 1, LMB
Spearfish – July 1, LMB
Columbia River – July 15, salmonids, LMB

Lewis County:

Mayfield – July 15, chinook, coho, LMB

Carlisle – July 15, coho, LMB

Riffe – July 15, chinook, coho, LMB

Plummer – July 1, LMB

Leisure Times

Blue

Clear

Swofford Pond – July 15, chinook, coho, LMB

Chehalis River – July 15, chinook, coho, chum, steelhead

Mason County:

Isabella – July 15, coho, steelhead, LMB

Island – July 1, LMB

Limerick – July 15, coho, LMB

Mason – July 15, coho, LMB

Timber

Little Timber

Big Timber

Anderson

Star

Fawn

Leprechaun

Sandy

Arrowhead

Haven

Trails End

Rainbow

Spencer – July 1, LMB

Okanogan County:

Conconully – July 15, LMB

Osoyos – July 15, sockeye, steelhead, LMB

Palmer – July 15, LMB

Pearrygin

Whitestone – July 15, LMB

Okanogan River – July 15, sockeye, steelhead, LMB

Pacific County:

Black – July 1, LMB

Loomis – July 1, LMB

Pend Oreille County:

Davis – July 15, LMB

[Fan](#)
[Diamond](#) – July 15, LMB
[Millpond](#)
[Wilderness](#)
Nile
Marshall
[Sacheen](#)
Pend Oreille River – July 15, bull trout, LMB
[Little Spokane River](#)

Pierce County:

Bay
[Clear](#)
[Josephine](#)
[Sylvia](#)
[Minterwood](#)
[Louise](#) – July 1, LMB
[Arrowhead](#)
[Debra Jane](#)
[Harts](#) – July 15, chinook, coho, chum, sockeye, pink, steelhead
[Serene](#)
[Gravelly](#)
[Steilacoom](#) – July 15, coho, LMB
[Palmer](#)
[Lakes at Gig Harbor](#)
[Spanaway](#) – July 15, coho, LMB
Hidden
Kapowsin – July 15, coho, steelhead, bull trout, LMB
[Ohop](#) – July 15, chinook, coho, chum, sockeye, pink, steelhead, cutthroat, LMB
Tanwax – July 15, chinook, coho, chum, sockeye, pink, steelhead, cutthroat, LMB
Tapps – July 1, LMB
Whitman – July 15, chinook, coho, chum, sockeye, pink, steelhead, LMB

Skagit County:

[Big](#) – July 15, coho, steelhead, bull trout, LMB
[Campbell](#) – July 15, LMB
Heart
Beaver – July 15, coho, LMB
Clear – July 15, coho, LMB
[Erie](#)
[McMurray](#) – July 15, coho, LMB
Sixteen
[Skagit County Drainage Ditches](#)

Skamania County:

Drano – July 15, chinook, coho, steelhead

Coldwater

Columbia River – July 15, chinook, coho, chum, steelhead, LMB

Snohomish County:

Roesiger – July 15, chinook, coho, chum, sockeye, pink, steelhead, bull trout, LMB

Goodwin – July 15, LMB

Silver – July 15, LMB

Hilton

Ketchum – July 15, LMB

Crystal – July 15, coho

Swartz

Nina

Shoecraft – July 15, LMB

Mill Creek – July 15, chinook, coho, chum

Pioneer Trails Ponds

Spokane County:

Eloika – July 15, LMB

Liberty – July 15, LMB

Medical – July 15, LMB

Brown's

Clear – July 15, LMB

Newman – July 15, LMB

Silver – July 15, LMB

Stevens County:

Loon – July 15, LMB

Black

Gillette

Heritage

Long

Sherry

Thomas

Waitts – July 15, LMB

Thurston County:

Hicks – July 1, LMB

Long – July 1, LMB

Scott – July 1, LMB

Beaver

Serene

[Lois](#) – July 15, coho, chum, steelhead
[Ken](#)
[Blue](#)
[Clear](#) – July 1, LMB
[Lawrence](#) – July 1, LMB
[Skyview](#)
[Pattison](#) – July 1, LMB
[Offut](#) – July 1, LMB
[Long](#) – July 1, LMB
[Elbow](#) – July 1, LMB
[Lucinda](#)
[Trails End](#)
Munn – July 1, LMB
Black River
Chehalis River – July 15, chinook, coho, steelhead

Wahkiakum County:

Columbia River - July 15, salmonids
Brooks Slough – July 15, salmonids

Whatcom County:

Silver
Terrell – July 15, LMB
Whatcom – July 15, LMB
[Birch Bay Village Lake System](#)

Whitman County:

Bryan
Lower Granite – July 1, LMB, salmonids; Avoid Sept. 15 – Nov. 15,
endangered fall chinook
Snake River – July 1, LMB, salmonids; Avoid Sept. 15 – Nov. 15,
endangered fall chinook

Yakima County:

Byron Lake – July 1, LMB
Dog Lake
unnamed ponds at 12N -19E -20
Yakima River – July 15, salmonids